

## **Biography**

### **James E. McMahon, Ph.D** **Head of Energy Analysis Department,** **Lawrence Berkeley National Laboratory**

James E. McMahon, Ph.D., is Co-chair of the Water Energy Technology Team, Head of the Energy Analysis Department, and Leader of the Energy Efficiency Standards Group at Lawrence Berkeley National Laboratory. He focuses on technical and economic analysis of technologies and policies for mitigating environmental problems, most notably in support of mandatory regulations on energy efficiency for the U.S. Department of Energy.

He has consulted with the national governments of more than 40 countries and with international agencies. Recent research includes: (1) the feasibility and cost of engineering design changes that could increase energy efficiency for about 20 products, and (2) potential impacts of energy efficiency on consumers, manufacturers, utility companies, geographic regions (nations, states/provinces), and the environment. His interests include uncertainty analysis, such as distributional analysis of consumer life-cycle costs; long-term forecasts of energy demand by end use; and marginal energy prices. He is the author of more than 100 publications.

Dr. McMahon received a B.S. in Chemistry from Providence College and a Ph.D. in Molecular Biophysics from Florida State University.